

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4138	(carboxymethylcellulose or (carboxymethyl cellulose)) same (amines or (quaternary ammonium hydroxides))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 12:47
L2	15	(carboxymethylcellulose or (carboxymethyl cellulose)) same (quaternary ammonium hydroxides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 12:54
L3	44	((carboxymethylcellulose or (carboxymethyl cellulose)) same (amine or (quaternary ammonium hydroxides))) and (carboxymethylcellulose or (carboxymethyl cellulose)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 13:31
L4	43	(Gillette or Majewicz or Sau).in. and ((ether derivative) or cellulose).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 13:37
L5	4	(Gillette or Majewicz or Sau).in. and (comminuted).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 13:36
L6	2136	"536"/\$.ccls. and ((ether derivative) or cellulose or communitied).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 13:38
S1	9	"2636879".pn. or "2663907".pn. or "4455237".pn. or "5028342".pn. or "5976320".pn. or "6174412".pn. or "20020103368".pn.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/01/23 14:30

## EAST Search History

S2	2	(loose mass) and comminuted and raw and cotton and (linter (fiber or fibre)) and (cellulose ether) and (caustic or (sodium hydroxide) or (potassium hydroxide) or (calcium hydroxide) or (barium hydroxide) or (ammonium hydroxide) or (lithium hydroxide) or (strong organic bases) or (quaternary ammonium hydroxide) or (base with amines)) and ((alkyl halide) or (alkylene oxide) or (glycidyl ether) or (vinyl sulfonate) or halogenoalkanoate or (methyl chloride) or (ethyl chloride) or (propylene oxide) or (butylene oxide) or (monochloroacetic acid) or (butyl glycidyl ether) or (glycidyl silane) or (glycidoxypentyl trimethoxysilane) or (glycidoxypentyl methyldiethoxysilane) or (glycidoxypentyl methyldimethoxysilane)) and (acetone or methanol or (methyl alcohol) or ethanol or (ethyl alcohol) or isopropanol or (isopropyl alcohol) or (butyl alcohol) or butanol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 14:43
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## EAST Search History

S3	2	comminuted and raw and cotton and (linter (fiber or fibre)) and (cellulose ether) and (caustic or (sodium hydroxide) or (potassium hydroxide) or (calcium hydroxide) or (barium hydroxide) or (ammonium hydroxide) or (lithium hydroxide) or (strong organic bases) or (quaternary ammonium hydroxide) or (base with amines)) and ((alkyl halide) or (alkylene oxide) or (glycidyl ether) or (vinyl sulfonate) or halogenoalkanoate or (methyl chloride) or (ethyl chloride) or (propylene oxide) or (butylene oxide) or (monochloroacetic acid) or (butyl glycidyl ether) or (glycidyl silane) or (glycidoxypentyl trimethoxysilane) or (glycidoxypentyl methyldiethoxysilane) or (glycidoxypentyl methyldimethoxysilane)) and (acetone or methanol or (methyl alcohol) or ethanol or (ethyl alcohol) or isopropanol or (isopropyl alcohol) or (butyl alcohol) or butanol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 14:43
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## EAST Search History

S4	2	comminuted and cotton and (linter (fiber or fibre)) and (cellulose ether) and (caustic or (sodium hydroxide) or (potassium hydroxide) or (calcium hydroxide) or (barium hydroxide) or (ammonium hydroxide) or (lithium hydroxide) or (strong organic bases) or (quaternary ammonium hydroxide) or (base with amines)) and ((alkyl halide) or (alkylene oxide) or (glycidyl ether) or (vinyl sulfonate) or halogenoalkanoate or (methyl chloride) or (ethyl chloride) or (propylene oxide) or (butylene oxide) or (monochloroacetic acid) or (butyl glycidyl ether) or (glycidyl silane) or (glycidoxypropyl trimethoxysilane) or (glycidoxypropyl methyldiethoxysilane) or (glycidoxypropyl methyldimethoxysilane)) and (acetone or methanol or (methyl alcohol) or ethanol or (ethyl alcohol) or isopropanol or (isopropyl alcohol) or (butyl alcohol) or butanol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 14:44
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## EAST Search History

S5	30	comminuted and cotton and linter and (fiber or fibre) and (cellulose ether) and (caustic or (sodium hydroxide) or (potassium hydroxide) or (calcium hydroxide) or (barium hydroxide) or (ammonium hydroxide) or (lithium hydroxide) or (strong organic bases) or (quaternary ammonium hydroxide) or (base with amines)) and ((alkyl halide) or (alkylene oxide) or (glycidyl ether) or (vinyl sulfonate) or halogenoalkanoate or (methyl chloride) or (ethyl chloride) or (propylene oxide) or (butylene oxide) or (monochloroacetic acid) or (butyl glycidyl ether) or (glycidyl silane) or (glycidoxypropyl trimethoxysilane) or (glycidoxypropyl methyldiethoxysilane) or (glycidoxypropyl methyldimethoxysilane)) and (acetone or methanol or (methyl alcohol) or ethanol or (ethyl alcohol) or isopropanol or (isopropyl alcohol) or (butyl alcohol) or butanol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 15:01
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S6	10	comminuted and cotton and linter and (fiber or fibre) and (cellulose ether) and (caustic or (sodium hydroxide) or (potassium hydroxide) or (calcium hydroxide) or (barium hydroxide) or (ammonium hydroxide) or (lithium hydroxide) or (strong organic bases) or (quaternary ammonium hydroxide) or (base with amines)) and ((alkyl halide) or (alkylene oxide) or (glycidyl ether) or (vinyl sulfonate) or halogenoalkanoate or (methyl chloride) or (ethyl chloride) or (propylene oxide) or (butylene oxide) or (monochloroacetic acid) or (butyl glycidyl ether) or (glycidyl silane) or (glycidoxypentyl trimethoxysilane) or (glycidoxypentyl methyldiethoxysilane) or (glycidoxypentyl methyldimethoxysilane)) and (acetone or methanol or (methyl alcohol) or ethanol or (ethyl alcohol) or isopropanol or (isopropyl alcohol) or (butyl alcohol) or butanol) and ((carboxymethyl cellulose) or carboxymethylcellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:25
S7	2871	viscosity with (reducing or reduced or reduction) with (chemical or mechanical or irradiation or radiation or enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:52
S8	78	(intrinsic viscosity) with (reducing or reduced or reduction) with (chemical or mechanical or irradiation or radiation or enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:46
S9	2	(carboxymethylcellulose or (carboxylmethyl cellulose)) and ((intrinsic viscosity) with (reducing or reduced or reduction) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:49
S10	0	(carboxymethylcellulose or (carboxylmethyl cellulose)).ti. and (intrinsic viscosity) and (reducing or reduced or reduction) and chemical and mechanical and irradiation and radiation and enzymatic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:50

## EAST Search History

S11	0	(carboxymethylcellulose or (carboxymethyl cellulose)).ti. and (intrinsic viscosity) and (reducing or reduced or reduction) and chemical and mechanical and (irradiation or radiation) and enzymatic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:51
S12	1	viscosity with (reducing or reduced or reduction) with (chemical and mechanical and irradiation and radiation and enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:51
S13	10	(carboxymethylcellulose or (carboxymethyl cellulose)) same (viscosity with (reducing or reduced or reduction) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:57
S14	239	(carboxymethylcellulose or (carboxymethyl cellulose)) same ((molecular weight) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 18:57
S15	9	(carboxymethylcellulose or (carboxymethyl cellulose)) same ((molecular weight) with (reducing or reduced or reduction or decrease or decreased or decreasing) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:05
S16	4010	((viscosity) with (reducing or reduced or reduction or decrease or decreased or decreasing) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:02
S17	131	((intrinsic viscosity) with (reducing or reduced or reduction or decrease or decreased or decreasing) with (chemical or mechanical or irradiation or radiation or enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:03
S18	0	((intrinsic viscosity) with (reducing or reduced or reduction or decrease or decreased or decreasing) with (mechanical and irradiation and radiation and enzymatic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:03

## EAST Search History

S19	1	(carboxymethylcellulose or (carboxymethyl cellulose)) same ((molecular weight) with (reducing or reduced or reduction or decrease or decreased or decreasing) with enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/24 12:47
S20	1	(carboxymethylcellulose or (carboxymethyl cellulose)) same ((viscosity or (molecular weight)) with (reducing or reduced or reduction or decrease or decreased or decreasing) with enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:07
S21	465	((viscosity or (molecular weight)) with (reducing or reduced or reduction or decrease or decreased or decreasing) with enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:07
S22	217	(viscosity with (reducing or reduced or reduction or decrease or decreased or decreasing) with enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:08
S23	5	cellulose with (viscosity with (reducing or reduced or reduction or decrease or decreased or decreasing) with enzymatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/01/23 19:08